

IN THE CLAIMS

The following Listing of Claims will replace all prior versions and listings of claims in the application:

1 - 13. (canceled)

14. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 1 to the surface of the botanical subject.

15. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 2 to the surface of the botanical subject.

16. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 6 to the surface of the botanical subject.

17. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 7 to the surface of the botanical subject.

18. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 1 to the surface of the inanimate object.

19. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 2 to the surface of the inanimate object.

20. (withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 6 to the surface of the inanimate object.

21. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 7 to the surface of the inanimate object.

22 - 34. (canceled)

35. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 22 to the surface of the botanical subject.
36. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 23 to the surface of the botanical subject.
37. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 27 to the surface of the botanical subject.
38. (previously withdrawn) A method of providing substantive benefits to a botanical subject comprising applying the composition of claim 28 to the surface of the botanical subject.
39. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 22 to the surface of the inanimate object.
40. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 23 to the surface of the inanimate object.
41. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 27 to the surface of the inanimate object.
42. (previously withdrawn) A method of providing substantive benefits to an inanimate object comprising applying the composition of claim 28 to the surface of the inanimate object.
43. (previously withdrawn) A sunscreen composition for topical application comprising physical radiation blocking agents, radiation absorbing agents, and hydrolysis products of organic materials, said organic materials further comprising at least 6 weight percent of unsaponifiable materials.
44. (previously withdrawn) The composition of claim 43 wherein said organic materials were pre-treated prior to hydrolysis, said pre-treatment selected from the group of treatments consisting of alkoxylation, polymerization, acetylation, oxidation, reduction, concentration,

hydrogenation, partial hydrogenation, interesterification, double bond modification, randomization, and refinement.

45. (previously withdrawn) The composition of claim 44 wherein said pre-treated organic materials further comprises extracts selected from the group consisting of amaranth seed oil, anise seed oil, avocado seed oil, barley oil, briza oil, buckwheat oil, candelilla wax, carnuba wax, cassia occidentalis oil, coffee bean oil, deoiled lecithin, dog fish oil, esparto wax, oils from fungi and other microorganisms, guayule plant extract, jojoba oil, jurinea oil, lanolin, laurel berry oil, olestra (olean), olive oil concentrate (phytosqualene), olive seed oil, orange roughy oil, ouricury wax, quinoa seed oil, rye germ oil, shark liver oil, shea butter, sperm whale oil, sugar cane wax, sunflower wax, tall oil, tall oil distillate, Vegepure from wheat grains, and wheat germ oil.
46. (previously withdrawn) The composition of claim 43 comprising at least 20% by weight of unsaponifiabiles.
47. (previously withdrawn) The composition of claim 44 comprising at least 20% by weight of unsaponifiabiles.

- 48.** (new) A composition for topical application to the skin, said composition comprising:
non-polar unsaponifiables; and
polar hydrophilic salts that are produced by the *in situ* hydrolysis of a saponifiable fraction of
original organic starting material having at least more than 10% unsaponifiable material
(wt./wt.) prior to hydrolysis.
- 49.** (new) The composition of claim **48**, wherein:
said original organic material is pre-treated prior to hydrolysis; and
the method of pre-treatment is at least one of alkoxylation, polymerization, acetylation,
oxidation, reduction, concentration, hydrogenation, partial hydrogenation,
interesterification, double bond modification, randomization and refinement.
- 50.** (new) The composition of claim **49**, wherein said pre-treated original organic material
comprises at least one extract selected from the group consisting of: amaranth seed oil,
anise seed oil, avocado seed oil, barley oil, briza oil, buckwheat oil, candelilla wax,
carnuba wax, cassia occidentalis oil, coffee bean oil, de-oiled lecithin, dog fish oil, esparto
wax, oils from fungi or other microorganisms, guayule plant extract, jojoba oil, jurinea oil,
lanolin, laurel berry oil, olestra (olean), olive oil concentrate (phytosqualene), olive seed
oil, orange roughy oil, ouricury wax, quinoa seed oil, rye germ oil, shark liver oil, shea
butter, sperm whale oil, sugar cane wax, sunflower wax, tall oil, tall oil distillate, Vegepure
from wheat grains, and wheat germ oil.
- 51.** (new) The composition of claim **48**, comprising at least 20% unsaponifiable material.
- 52.** (new) The composition of claim **49**, comprising at least 20% unsaponifiable material.
- 53.** (new) The composition of claim **48**, further comprising at least one ingredient selected from
the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals,
ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal
repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and
hormones.

- 54.** (new) The composition of claim **49**, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
- 55.** (new) The composition of claim **51**, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
- 56.** (new) The composition of claim **52**, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
- 57.** (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim **48** to at least one of the hair, skin, scales and feathers of the animal subject.
- 58.** (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim **49** to at least one of the hair, skin, scales and feathers of the animal subject.
- 59.** (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim **53** to at least one of the hair, skin, scales and feathers of the animal subject.
- 60.** (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim **54** to at least one of the hair, skin, scales and feathers of the animal subject.

- 61.** (new) A composition for topical application to the skin, said composition comprising:
non-polar unsaponifiabiles; and
polar hydrophilic salts that are produced by the *in situ* hydrolysis of a saponifiable fraction of
original organic starting material having at least more than 10% long chain carbon material
(wt./wt.) prior to hydrolysis.
- 62.** (new) The composition of claim **61**, wherein:
said original organic material is pre-treated prior to hydrolysis; and
the method of pre-treatment is at least one of: alkoxylation, polymerization, acetylation,
oxidation, reduction, concentration, hydrogenation, partial hydrogenation,
interesterification, double bond modification, randomization and refinement.
- 63.** (new) The composition of claim **66**, wherein said pre-treated original organic material
comprises at least one extract selected from the group consisting of: amaranth seed oil,
anise seed oil, avocado seed oil, barley oil, briza oil, buckwheat oil, candelilla wax,
carnuba wax, cassia occidentalis oil, coffee bean oil, de-oiled lecithin, dog fish oil, esparto
wax, oils from fungi and other microorganisms, guayule plant extract, jojoba oil, jurinea oil,
lanolin, laurel berry oil, olestra (olean), olive oil concentrate (phytosqualene), all of seed
oil, orange roughy oil, ouricury wax, quinoa seed oil, rye germ oil, shark liver oil, shea
butter, sperm whale oil, sugar cane wax, sunflower wax, tall oil, tall oil distillate, Vegepure
from wheat grains and wheat germ oil.
- 64.** (new) The composition of claim **61**, comprising at least 20% unsaponifiable material.
- 65.** (new) The composition of claim **62**, comprising at least 20% unsaponifiable material.
- 66.** (new) The composition of claim **61**, further comprising at least one ingredient selected from
the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals,
ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal
repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and
hormones.

67. (new) The composition of claim 62, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellent, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
68. (new) The composition of claim 64, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
69. (new) The composition of claim 65, further comprising at least one ingredient selected from the group consisting of: emollients, conditioners, pigments, dyes, pharmaceuticals, ultraviolet radiation absorbers, physical radiation blocks, insect repellents, animal repellents, insecticides, pesticides, herbicides, animal attractants, fragrances and hormones.
70. (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim 61 to at least one of the hair, skin, scales and feathers of the animal subject.
71. (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim 62 to at least one of the hair, skin, scales and feathers of the animal subject.
72. (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim 66 to at least one of the hair, skin, scales and feathers of the animal subject.

- 73.** (new) A method of providing substantive benefits to an animal subject, said method comprising the step of applying the composition of claim **67** to at least one of the hair, skin, scales and feathers of the animal subject.